

ENTER ROUTING SLIP			DATE
FROM	INITIALS	DATE	
NPIC/IEG/MSD			13 October 1970
TO	INITIALS	DATE	REMARKS
DIRECTOR			
DEP/DIRECTOR	4		
EXEC/DIRECTOR	2	10/15	
SPECIAL ASST	2	M 10/15	
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LOGISTICS			
TRAINING			
SECURITY			
FINANCE			
CH/IEG	1	10	
DEP CH/IEG			
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DECLASS REVIEW by NIMA/DOD

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IEG/MSD-288/70
13 October 1970

MEMORANDUM FOR THE RECORD:

SUBJECT : Requirements for Effective Coverage Plots

1. At the request of the Executive Director, NPIC, Messrs. [REDACTED] 25X1
[REDACTED] IEG/MSD, met with [REDACTED] COMIREX Staff, 25X1
to discuss requirements for effective-coverage plots of Soviet ICBM
complexes. Also in attendance were [REDACTED] Chairman, EXSUBCOM, 25X1
and [REDACTED] OSP. The meeting was held on 9 October 1970 in MSD.

2. Discussions centered on the various requirements to delineate
those areas within ICBM complexes which have been satisfactorily covered
by satellite photography and to report on those areas in a timely manner
to various users. [REDACTED] explained the need for an expedited feed-
back report on those targets which are covered on the first bucket of
each mission. For the economic and efficient programming of the second
bucket it is important to know which targets have been satisfactorily
covered to prevent needless repetition of coverage. He explained that
the emphasis of this report, which is prepared by NPIC/PSG, is on speed
of delivery and that precision is not as important. PSG's latest report
was on [REDACTED] PSG was requested to produce cloud-cover plots
of 27 high-priority targets. Data provided by PSG/R&RD showed that
utilizing nine people it took ten hours to complete the cloud-cover
plots. However, four of the nine people are new; once the new people
gain experience, PSG believes it should not take more than about 2-1/2
hours to determine the cloud-cover status for any one ICBM complex.

3. The coverage plot of each ICBM complex which MSD/OMB compiles
and transmits to OSR after each mission was also discussed. These plots
are prepared with less stringent time requirements and take into account
interpretability factors in addition to clouds. Since there are many
variables in determining the interpretability of coverage (e.g., snow,
sun angle, and obliquity), it takes longer to assess than does the cloud
cover status. MSD completed a study of the Teykovo ICBM Complex using
[REDACTED] It took an experienced PI, who was familiar with the
target, 3-1/2 hours to determine the percentage of interpretable coverage
and plot the information on a map. It is important to note that both the
PSG and the IEG studies were in close agreement. I believe it is safe
to say that it would probably be so 90 per cent of the time.

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WORKING PAPER

SUBJECT: Requirements for Effective Coverage Plots

4. [redacted] agreed that the two reports serve different needs and that the two requirements are probably incompatible. [redacted] suggested that the report prepared by OMB be transmitted also to ICRS and to NRO and be made part of the target history file, superseding the preliminary report done in the initial haste.

5. [redacted] is writing a paper on all aspects of the "effective coverage" problem and a proposed organized approach to solving the problem through the use of WAG cells and a computerized program. He expects to have the study ready shortly.

6. Until [redacted] study is available for review, no further action on our part is anticipated.

[redacted]
Chief, Missiles and Space Division
IEG/NPIC

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